

AMENDMENTS TO THE SPECIFICATION

Please delete the paragraph spanning page 11, lines 9-22, through page 12, lines 1-4, and replace it with the following paragraph:

Fig. 7a depicts the general structure of the IgG and IgE antibodies. Both antibodies contain two isotype-specific heavy chains and two light chains (H_2L_2). The Fab domains contain both heavy and light chain components while the Fc domains (shaded pink) are derived exclusively from the light chains. The IgE-Fc contains an extra domain pair (Ce2) compared to the IgG-Fc. The IgE Ce3-Ce4 domains are homologous to the IgG Ce2-Ce3 domains. Fig. 7b shows a structure-based sequence alignment of human IgE-Fc Ce3-Ce4 with the sequences of four IgG-Fc's for which crystal structure have been solved. IgE secondary structure is indicated using arrows for β -strands and ribbons for α -helices. Color bars indicate hinge residues (blue), Fc ϵ Ri-binding loops (pink) and carbohydrate attachment sites (green dots). Within the sequence alignment, conserved residues are indicated with light-blue shading while structural differences (insertions, deletions, changes in secondary structure) between the IgG and IgE are highlighted in yellow. In addition, the completely conserved Ce2 AB helix histidine residue (H310 in IgG1, H329 in IgG2a) and the corresponding residue in IgE, threonine 409, are indicated in yellow and pink respectively. The IgE numbering (above the sequence) is according to Dorrington and Bennich. The numbering of human IgG1 is given directly below the sequence. The PDB numbering of murine IG2a (1IGT), is shown in italics at the bottom (note that there are deletions in this numbering system). The sequence of the Ce3-Ce4 regions of human IgE are represented by SEQ ID NO.3. The sequence of the Ce3-Ce4 regions of murine IgG1 are represented by SEQ ID NO.4. The sequence of the Ce3-Ce4 regions of human IgG2a are represented by SEQ ID NO.5. The sequence of the Ce3-Ce4 regions of human IgG4 are represented by SEQ ID NO.6. The sequence of the Ce3-Ce4 regions of human IgG1 are represented by SEQ ID NO.7.

Please delete the current sequence listing from the specification and enter attached sequence listing.